

## INSTRUCTIONS

### Section I – System Description(s)

For each system indicate:

1. Type of system: Antenna or non-antenna
2. Description of system: Brief description of system components
3. For antennas: List the following as applicable
  - A. Antenna type: Aperture, linear, etc.
  - B. Antenna size: Diameter, length, etc.
  - C. Continuous or pulsed: Self explanatory
  - D. PRF (pulse repetition frequency): Indicate in Hz
  - E. Pulse width: In  $\mu$ s
  - F. Operating frequency: In Hz
  - G. Output power: In Watts
  - H. Gain: Self explanatory
  - I. Scan angle: In degrees
  - J. Half-Power Beam Width: In degrees
  - K. Antenna height: Approximate height in feet above occupied areas
4. For non-antenna systems: List the following as applicable
  - A. Operating frequency: In Hz
  - B. Output power: In Watts
  - C. Continuous or pulsed emission: Self explanatory
  - D. PRF (pulse repetition frequency): Indicate in Hz
  - E. Pulse width: In seconds

### Section II – Area / Use Description

1. Use location: Give area (MSFC or NSSTC), building, and room number (if applicable). If system will be used in more than one room list each room
2. Description of intended use: Brief description of device is to be used for
3. Proposed period of use: Maximum period is one year with annual renewals

### Section III – Procedures

1. List all operating procedures: For those not available through the MSFC Integrated Library, please provide a copy

### Section IV – System Users

1. List all personnel who will be using/operating the system on a separate sheet and attach it to the first page of the Form. All personnel using/operating the system are required to have training commensurate with the hazard.

# RF / MICROWAVE SYSTEM USE REQUEST / AUTHORIZATION

Responsible Person (Print/Sign)	Phone #	Organization Code	Building/Room	Date
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## I. SYSTEM DESCRIPTION(S)

1. Type Of System	2. Description of System
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### 3. For Antennas (As Applicable):

A. Antenna Type:		B. Antenna Size:		C. Continuous Or Pulsed Emission:	
D. PRF:	E. Pulse Width:	F. Operating Frequency:		G. Output Power:	
H. Gain:	I. Scan Angle:	J. Half-Power Beam Width:		K. Antenna Height:	

A. Antenna Type:		B. Antenna Size:		C. Continuous Or Pulsed Emission:	
D. PRF:	E. Pulse Width:	F. Operating Frequency:		G. Output Power:	
H. Gain:	I. Scan Angle:	J. Half-Power Beam Width:		K. Antenna Height:	

A. Antenna Type:		B. Antenna Size:		C. Continuous Or Pulsed Emission:	
D. PRF:	E. Pulse Width:	F. Operating Frequency:		G. Output Power:	
H. Gain:	I. Scan Angle:	J. Half-Power Beam Width:		K. Antenna Height:	

A. Antenna Type:		B. Antenna Size:		C. Continuous Or Pulsed Emission:	
D. PRF:	E. Pulse Width:	F. Operating Frequency:		G. Output Power:	
H. Gain:	I. Scan Angle:	J. Half-Power Beam Width:		K. Antenna Height:	

A. Antenna Type:		B. Antenna Size:		C. Continuous Or Pulsed Emission:	
D. PRF:	E. Pulse Width:	F. Operating Frequency:		G. Output Power:	
H. Gain:	I. Scan Angle:	J. Half-Power Beam Width:		K. Antenna Height:	

A. Antenna Type:		B. Antenna Size:		C. Continuous Or Pulsed Emission:	
D. PRF:	E. Pulse Width:	F. Operating Frequency:		G. Output Power:	
H. Gain:	I. Scan Angle:	J. Half-Power Beam Width:		K. Antenna Height:	

A. Antenna Type:		B. Antenna Size:		C. Continuous Or Pulsed Emission:	
D. PRF:	E. Pulse Width:	F. Operating Frequency:		G. Output Power:	
H. Gain:	I. Scan Angle:	J. Half-Power Beam Width:		K. Antenna Height:	

### 4. For Non-Antenna Systems (As Applicable):

A. Operating Frequency:		B. Output Power:		C. Continuous Or Pulsed Emission:	
D. PRF:		E. Pulse Width:			

A. Operating Frequency:		B. Output Power:		C. Continuous Or Pulsed Emission:	
D. PRF:		E. Pulse Width:			

A. Operating Frequency:		B. Output Power:		C. Continuous Or Pulsed Emission:	
D. PRF:		E. Pulse Width:			

A. Operating Frequency:		B. Output Power:		C. Continuous Or Pulsed Emission:	
D. PRF:		E. Pulse Width:			

A. Operating Frequency:		B. Output Power:		C. Continuous Or Pulsed Emission:	
D. PRF:		E. Pulse Width:			

## II. AREA / USE DESCRIPTION

1. Use Location (Area, Building, Room)	2. Description Of Intended Use	3. Proposed Period Of Use From:                      To:
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## III. PROCEDURES

1. List all operating procedures:
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## IV. SYSTEM USERS

1. Attach list of all system user/operators. Assure that each person listed has had training commensurate with the hazard.

**V. RADIATION SAFETY REQUIREMENTS**

**VI. APPROVAL**

Radiation Safety Officer

Date